(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 16 October 2003 (16.10.2003)

PCT

(10) International Publication Number WO 03/085632 A3

(51) International Patent Classification7:

G09C 5/00

(21) International Application Number: PCT/IB03/01151

(22) International Filing Date: 20 March 2003 (20.03.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02076401.5

8 April 2002 (08.04.2002) EP

(71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

WO 03/085632 A3

- (75) Inventors/Applicants (for US only): TUYLS, Pim, T. [BE/BE]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). JOHNSON, Mark, T. [GB/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) Agent: GROENENDAAL, Antonius, W., M.; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

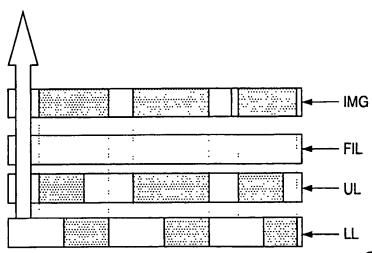
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
 4 December 2003

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVICE FOR RECONSTRUCTING A GRAPHICAL MESSAGE



(57) Abstract: A device comprising receiving means for receiving a sequence of information units, a first display arranged for displaying the sequence of information units by activating cells in a first electro-optical layer in dependence on the sequence, a second display arranged for activating cells in a second electro-optical layer in dependence on elements in a key sequence, in which the first and second displays are arranged to be superimposed on each other, and in which one of the first and second displays comprises a light valve, and the other of the first and second displays comprises one of: a transmissive display, an emissive display, a reflective display and a transflective display.

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Inte al Application No PCT/IB 03/01151

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G09C5/00									
According to	International Patent Classification (IPC) or to both national classificat	on and IPC							
B. FIELDS SEARCHED									
Minimum do	cumentation searched (classification system followed by classification GO9C H04L GO6F	n symbols)							
	ion searched other than minimum documentation to the extent that su		rched						
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)									
EPO-In	ternal, WPI Data, PAJ								
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.						
A	FR 2 806 230 A (FRANCE TELECOM) 14 September 2001 (2001-09-14) page 4, line 14 -page 6, line 22;	1,3,5							
A	US 6 209 102 B1 (HOOVER DOUGLAS) 27 March 2001 (2001-03-27) column 2, line 5 -column 4, line figures 1,3	7;	4,6						
Fur	ther documents are listed in the continuation of box C.	X Patent family members are listed	In annex.						
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or		T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to the thorizontal inventive step when the document is taken alone. Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled							
P docum	means hent published prior to the international filing date but than the priority date claimed	in the art. *&* document member of the same patent family							
Date of the	e actual completion of the international search	Date of mailing of the international sea	arch report						
22 September 2003		10/10/2003							
Name and	I mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Authorized officer Pavlov, V							
1	Fax: (+31-70) 340-3016	I '							

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Inti nal Application No PCT/IB 03/01151

Patent document dted in search report		Publication date		Patent family member(s)	Publication date
FR 2806230	806230 A 14-09-2001 FR	14-09-2001	2806230 A1	14-09-2001	
US 6209102	B1	27-03-2001	AU CA EP JP NO WO	3490100 A 2359119 A1 1181643 A1 2002536762 T 20013932 A 0048076 A1	29-08-2000 17-08-2000 27-02-2002 29-10-2002 09-10-2001 17-08-2000